

substituted in 1 to 4 places with OR^7 , $\text{NR}^{11}\text{R}^{12}$ or C_{1-4} alkyl and in which 1 or 2 CH_2 groups are optionally and independently replaced by O , $\text{S}(\text{O})_n$, NR^8 , $=\text{N}-$ or carbonyl, and which are optionally bridged with a methano, ethano or propano group,

R^4 is C_{1-4} alkyl, substituted with $\text{NR}^{14}\text{R}^{15}$,

R^4 and R^5 optionally together with 2 adjacent carbon atoms form a C_3-C_4 alkylene moiety optionally substituted in one or two places with $\text{NR}^{14}\text{R}^{15}$,

R^5 and R^6 are, independently of one another, Hydrogen, halogen, OR^7 , C_{1-4} alkyl, CF_3 , or OCF_3 ,

R^7 , R^{18} and R^{19} are, independently of one another, Hydrogen, C_{1-6} alkyl or C_{6-10} aryl, which optionally is substituted with halogen or C_{1-4} alkyl,

R^8 , R^{11} and R^{12} are, independently of one another, Hydrogen, C_{1-6} alkyl, C_{6-10} aryl, which optionally is substituted with halogen or C_{1-4} alkyl, COR^{10} , CO_2R^{10} , $\text{CONR}^{18}\text{R}^{19}$ or $\text{CSNR}^{18}\text{R}^{19}$,

R^9 , R^{10} and R^{20} are, independently of one another, C_{1-6} alkyl or C_{6-10} aryl, which optionally is substituted with halogen or C_{1-4} alkyl,

R^{14} and R^{15} are, independently of one another, Hydrogen, CO_2R^{20} or C_{1-6} alkyl, which optionally is substituted with halogen, hydroxy, C_{1-4} alkoxy, nitro, amino, C_{1-6} alkyl, trifluoromethyl, carboxyl, cyano, carboxamido, C_{3-7} cycloalkyl, indanyl, 1,2,3,4-tetrahydronaphthyl, C_{6-10} aryl, wherein the aryl radical is optionally substituted with halogen, hydroxy, C_{1-4} alkoxy, C_{1-4} alkyl, CF_3 , NO_2 , NH_2 , $\text{N}(\text{C}_{1-4} \text{ alkyl})_2$ or carboxyl, or

R^{14} and R^{15} optionally together with the nitrogen atom form imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene, thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, furanyl, thienyl, piperidine,

pyrrolidine, morpholine, thiomorpholine, hexahydroazepine,
piperazine, N-methyl-piperazine, 2,6-dimethylmorpholine,
phenylpiperazine, 4-(4-fluorobenzoyl)-piperidine, or indazole,
and

n is 0, 1 or 2,

or a tautomeric or isomeric form or a salt of a compound of formula I.

Please cancel claim 4 without prejudice or disclaimer.

5. A compound according to claim 1, wherein said compound is,

a) 4-Amino-7-(N-tert-butyloxycarbonyl-3-chlorobenzylamino)methyl-2,3,3a,9b-tetrahydro-1H-cyclopenta[c]quinoline;

b) 4-amino-7-(3-chlorobenzylamino)methyl-2,3,3a,9b-tetrahydro-1H-cyclopenta[c]quinoline dihydrochloride;

c) 4-amino-7-(N-tert-butoxycarbonyl-3-chlorobenzylamino)ethyl-2,3,3a,9b-tetrahydro-1H-cyclopenta[c]quinoline;

d) 4-amino-7-(3-chlorobenzylamino)ethyl-2,3,3a,9b-tetrahydro-1H-cyclopenta[c]quinoline dihydrochloride ;

e) 4-amino-7-(N-tert-butoxycarbonyl-3-chlorobenzylamino)-1,2,3,3a,7,8,9,10b-octahydro-dicyclopenta[c,g]quinoline;

f) 4-amino-7-(3-chlorobenzylamino)-1,2,3,3a,7,8,9,10b-octahydro-dicyclopenta[c,g]quinoline;

g) 4-amino-7-[1-(N-tert-butoxycarbonyl-3-chlorobenzylamino)propyl]-2,3,3a,9b-tetrahydro-1H-cyclopenta[c]quinoline;

h) 4-amino-7-[1-(3-chlorobenzylamino)propyl]-2,3,3a,9b-tetrahydro-1H-cyclopenta[c]quinoline;

i) 4-amino-7-(N-tert-butoxycarbonyl-3-chlorobenzylamino)ethyl-8-chloro-2,3,3a,9b-tetrahydro-1H-cyclopenta[c]quinoline; or

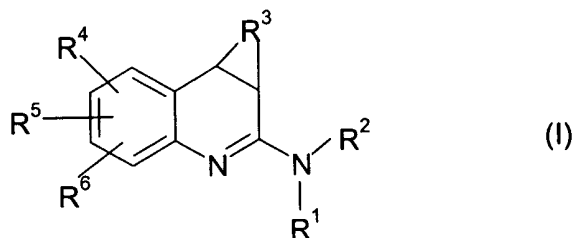
j) 4-amino-8-chloro-7-(3-chlorobenzylamino)ethyl-2,3,3a,9b-tetrahydro-1H-cyclopenta[c]quinoline dihydrochloride;

or a physiologically compatible salt thereof.

12. A method according to claim 9, wherein the neurodegenerative disease is cerebral ischemia, hypoxia, multiple sclerosis, amyotrophic lateral sclerosis, Parkinson's Disease, Huntington's Disease, Korksakoff's Disease, epilepsy, vomiting, stress, sleep disorders, schizophrenia, depression, migraine, pain, hypoglycemia, dementia, Alzheimer's Disease, HIV-dementia or presenile dementia.

15. A method for treating a neurodegenerative disease characterized by neuronal NDS, comprising inhibiting neuronal NDS by administering an effective amount of a compound according to claim 1.

16. A compound of formula I,



wherein

- R^1 and R^2 are, each independently, hydrogen or C_{1-6} alkyl,
- R^3 is a saturated or unsaturated C_{1-5} alkylene radical, which is optionally substituted in 1 to 4 places with OR^7 , $NR^{11}R^{12}$ or C_{1-4} alkyl and in which 1 or 2 CH_2 groups are optionally and independently replaced by O, $S(O)_n$, NR^8 , $=N-$ or carbonyl, and which are optionally bridged with a methano, ethano or propano group,
- R^4 is C_{1-4} alkyl, substituted with $NR^{14}R^{15}$,
- R^4 and R^5 optionally together with 2 adjacent carbon atoms form a C_3 - C_4 alkylene moiety optionally substituted in one or two places with $NR^{14}R^{15}$,
- R^5 and R^6 are, independently of one another, Hydrogen, halogen, OR^7 , C_{1-4} alkyl,

CF₃, or OCF₃,

R⁷, R¹⁸

and R¹⁹

are, independently of one another, Hydrogen, C₁₋₆ alkyl or C₆₋₁₀ aryl, which optionally is substituted with halogen or C₁₋₄ alkyl,

R⁸, R¹¹

and R¹²

are, independently of one another, Hydrogen, C₁₋₆ alkyl, C₆₋₁₀ aryl, which optionally is substituted with halogen or C₁₋₄ alkyl, COR¹⁰, CO₂R¹⁰, CONR¹⁸R¹⁹ or CSNR¹⁸R¹⁹,

R⁹, R¹⁰

and R²⁰

are, independently of one another, C₁₋₆ alkyl or C₆₋₁₀ aryl, which optionally is substituted with halogen or C₁₋₄ alkyl,

R¹⁴ and R¹⁵

are, independently of one another, Hydrogen, CO₂R²⁰ or C₁₋₆ alkyl, which optionally is substituted with halogen, hydroxy, C₁₋₄ alkoxy, nitro, amino, C₁₋₆ alkyl, trifluoromethyl, carboxyl, cyano, carboxamido, C₃₋₇ cycloalkyl, indanyl, 1,2,3,4-tetrahydronaphthyl, C₆₋₁₀ aryl, wherein the aryl radical is optionally substituted with halogen, hydroxy, C₁₋₄ alkoxy, C₁₋₄ alkyl, CF₃, NO₂, NH₂, N(C₁₋₄ alkyl)₂ or carboxyl, or optionally together with the nitrogen atom form imidazole, indole, isooxazole, isothiazole, furan, oxadiazole, oxazole, pyrazine, pyridazine, pyrimidine, pyridine, pyrazole, pyrrole, tetrazole, thiazole, triazole, thiophene, thiadiazole, benzimidazole, benzofuran, benzoxazole, isoquinoline, quinoline, furanyl, thienyl, piperidine, pyrrolidine, morpholine, thiomorpholine, hexahydroazepine, piperazine, N-methyl-piperazine, 2,6-dimethylmorpholine, phenylpiperazine, 4-(4-fluorobenzoyl)-piperidine, or indazole, and

n

is 0, 1 or 2,

or a tautomeric or isomeric form or a salt of a compound of formula I.